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Andreasson, Erik
Jenkins, Tom
Mundy, John
Petersen, Nikolaj H.T.
Brodersen, Peter
Thorgrimsen, Stefan
Rocher, Anne

<120> PLANT DISEASE RESISTANCE AND SAR REGULATOR PROTEIN

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<151> 2004-11-26

<150> DK PA200301759
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Ser Val His Lys Asp Ser His Lys Ile Lys Lys Pro Pro Lys His Pro
35 40 45

Ala Pro Pro Pro Asn Arg Asp Gln Pro Pro Pro Tyr Ile Pro Arg Glu
50 55 60

Pro Val Val Ile Tyr Ala Val Ser Pro Lys Val Val His Ala Thr Ala
65 70 75 80

Ser Glu Phe Met Asn Val Val Gln Arg Leu Thr Gly Ile Ser Ser Gly
85 90 95

Val Phe Leu Glu Ser Gly Gly Gly Gly Asp Val Ser Pro Ala Ala Arg
100 105 110

Leu Ala Ser Thr Glu Asn Ala Ser Pro Arg Gly Gly Lys Glu Pro Ala
115 120 125

Ala Arg Asp Glu Thr Val Glu Ile Asn Thr Ala Met Glu Glu Ala Ala
130 135 140

Glu Phe Gly Gly Tyr Ala Pro Gly Ile Leu Ser Pro Ser Pro Ala Leu
145 150 155 160

Leu Pro Thr Ala Ser Thr Gly Ile Phe Ser Pro Met Tyr His Gln Gly
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Gly Met Phe Ser Pro Ala Ile Pro Leu Gly Leu Phe Ser Pro Ala Gly
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Gln Glu Pro Ser Gln Ser Arg Pro Pro Pro Gly Pro Val Ile Ile Tyr
50 55 60

Thr Val Ser Pro Arg Ile Ile His Thr His Pro Asn Asn Phe Met Thr
65 70 75 80

Leu Val Gln Arg Leu Thr Gly Lys Thr Ser Thr Ser Thr Thr Ser Ser
85 90 95

Ser Tyr Ser Ser Ser Thr Ser Ala Pro Lys Asp Ala Ser Thr Met Val
100 105 110

Asp Thr Ser His Gly Leu Ile Ser Pro Ala Ala Arg Phe Ala Val Thr
115 120 125

Glu Lys Ala Asn Ile Ser Asn Glu Leu Gly Thr Phe Val Gly Gly Glu
130 135 140

Gly Thr Met Asp Gln Tyr Tyr His Tyr His His His His His His Gln
145 150 155 160

Glu Gln Gln His Gln Asn Gln Gly Phe Glu Arg Pro Ser Phe His His
165 170 175

Ala Gly Ile Leu Ser Pro Gly Pro Asn Ser Leu Pro Ser Val Ser Pro
180 185 190

Asp Phe Phe Ser Thr Ile Gly Pro Thr Asp Pro Gln Gly Phe Ser Ser
195 200 205

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Ser Val Asn Lys Asp Ser His Lys Ile Lys Lys Pro Pro Lys His Pro
35 40 45

Ala Pro Pro Pro Gln His Arg Asp Gln Ala Pro Leu Tyr Ala Ala Arg
50 55 60

Glu Pro Val Val Ile Tyr Ala Val Ser Pro Lys Val Val His Thr Thr
65 70 75 80

Ala Ser Asp Phe Met Asn Val Val Gln Arg Leu Thr Gly Ile Ser Ser
85 90 95

Ala Val Phe Leu Glu Ser Gly Asn Gly Gly Asp Val Ser Pro Ala Ala
100 105 110

Arg Leu Ala Ala Thr Glu Asn Ala Ser Pro Arg Gly Gly Lys Glu Pro
115 120 125

Val Met Ala Ala Lys Asp Glu Thr Val Glu Ile Ala Thr Ala Met Glu
130 135 140

Glu Ala Ala Glu Leu Ser Gly Tyr Ala Pro Gly Ile Leu Ser Pro Ser
145 150 155 160

Pro Ala Met Leu Pro Thr Ala Ser Ala Gly Ile Phe Ser Gln Met Thr
165 170 175

Thr His Gln Gly Gly Met Phe Ser Pro Gly Leu Phe Ser Pro Ala Gly
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Ala Asp Leu Phe Ser His Ile Trp Gly
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acagagaaga aacaagttgg atccaaactc tctacaacaa aaagtagtga acgagagaag 180

ctctccccaa gcgtttaatg gatccgtcgg agcacttcgc cggcggtaat cctttcgatc 240

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Ser Val Asn Lys Asp Ser His Lys Ile Lys Lys Pro Pro Arg His Pro
35 40 45

Ala Pro Pro Pro Gln His His Arg Asp Gln Ala Pro Leu Tyr Pro Pro
50 55 60

Arg Glu Pro Val Val Ile Tyr Ala Val Ser Pro Lys Val Val His Thr
65 70 75 80

Thr Thr Ser Asp Phe Met Asn Val Val Gln Arg Leu Thr Gly Ile Ser
85 90 95

Ser Glu Val Phe Leu Glu Ser Arg Asn Asp Gly Asp Val Ser Pro Ala
100 105 110

Ala Arg Leu Ala Ala Thr Glu Asn Ala Ser Pro Arg Gly Gly Lys Glu
115 120 125

Pro Val Glu Ser Ser Thr Ala Met Glu Glu Ala Ala Glu Phe Gly Cys
130 135 140

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Tyr Val Pro Gly Ile Leu Ser Pro Ser Pro Ala Met Leu Pro Thr Val
145                 150                 155                 160

Pro Ala Gly Ile Phe Ser Pro Met Phe His Leu Gly Gly Leu Phe Ser
                165                 170                 175

Pro Ala Leu Pro Pro Gly Leu Phe Ser Pro Ala Gly Leu Met Ser Pro
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ataatctaca ccgtgtcccc caaggtgatt cacaccaccc caagtgactt catgaacctc       180

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aacaacacca ctcatgtcga ccctttcaac aacggcggcg gcggaatggt gtcgccggcg       300

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Gln Pro Pro Pro Arg Gln Pro Ile Ile Ile Tyr Thr Val Ser Pro Lys
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Val Ile His Thr Thr Pro Ser Asp Phe Met Asn Leu Val Gln Arg Leu
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Thr Gly Ser Ser Ser Ser Ser Ser Ala Glu Val Val Met Ser Asn Asn
65                  70                  75                  80

Asn Asn Thr Thr His Val Asp Pro Phe Asn Asn Gly Gly Gly Gly Met
                85                  90                  95

Val Ser Pro Ala Ala Arg Tyr Ala Thr Ile Glu Lys Ala Met Ser Pro
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Gln His Gln Gln Gln Pro Thr Thr Pro Arg Arg Gln Leu Gln Gly Pro
20 25 30

Arg Pro Pro Arg Leu Asn Val Arg Met Glu Ser His Ala Ile Lys Lys
35 40 45

Pro Ser Ser Gly Ala Ala Ala Ala Ala Ala Ala Ala Gln Ala Arg Arg
50 55 60

Glu Gln Gln Gln Pro Pro Pro Arg Ala Pro Val Ile Ile Tyr Asp Ala
65 70 75 80